IN THE CLAIMS:

Please amend claims 1, 8, 17 and 26, and add a new claim 31 as follows:

1. (Currently Amended) A biochip comprising:

a surface spotted with a plurality of biopolymers in a predetermined pattern of spot locations; ~~and~~

a storage medium stored with information of the biopolymers, wherein the storage medium stores information, said information comprising ~~at least one~~ the spot locations, identity of the biopolymers spotted on each of said spot locations, and ~~an~~ a detected amount of the biopolymers spotted on each of said spot locations; and

a looped antenna,

wherein the storage medium is an integrated circuit memory connected to the looped antenna, the storage medium thereby being capable of reading/writing information in a non-contact state.

2. (Cancelled)

3. (Previously Presented) The biochip of claim 1, wherein the surface and the storage medium are detachable.

4. (Previously Presented) The biochip of claim 1, wherein the surface and the storage medium are formed integrally.

5. (Previously Presented) The biochip of claim 1, wherein the storage medium comprises a semiconductor memory which can read/write information in a non-contact state.

6-7. (Cancelled)

8. (Currently Amended) A method for using a biochip, comprising the steps of:

(a) providing the biochip having a surface spotted with a plurality of biopolymers in a predetermined pattern of spot locations, ~~and~~ a storage medium stored

with information of the biopolymers, said information including ~~at least one~~ the spot locations, identity of the biopolymers spotted on each of said spot locations, and ~~an~~ a detected amount of the biopolymers spotted on each of said spot locations, and a looped antenna, the storage medium being an integrated circuit memory connected to the looped antenna, the storage medium thereby being capable of reading/writing information in a non-contact state;

(b) applying a sample to the biochip to hybridize the plurality of biopolymers with the sample;

(c) detecting each of said spot locations to determine an amount of biopolymers bound with the sample; and

(d) storing on the storage medium of the biochip information of the amount of the biopolymers bound with the sample at each of said spot locations.

9. (Cancelled)

10. (Previously Presented) The biochip of claim 1, wherein the storage medium further comprises a covered surface.

11. (Previously Presented) The biochip of claim 10, wherein the covered surface comprises a plastic or a glass.

12. ((Previously Presented) The biochip of claim 10, wherein the covered surface protects the storage medium from exposure to a solution.

13. (Previously Presented) The biochip of claim 1, further comprising a semiconductor memory support.

14. (Previously Presented) The biochip of claim 13, wherein the semiconductor memory support comprising a silicon wafer.

15. (Previously Presented) The biochip of claim 13, wherein the semiconductor memory support is covered.

16. (Previously Presented) The biochip of claim 13, wherein the semiconductor memory support is covered with a resin.

17. (Currently Amended) The biochip of claim 13, wherein the semiconductor memory support is the surface spotted with the biopolymers.

18. (Previously Presented) The biochip of claim 1, wherein each of the plurality of biopolymers comprises a DNA molecule.

19. (Previously Presented) The biochip of claim 1, wherein each of the plurality of biopolymers comprises a protein molecule.

20. (Cancelled)

21. (Previously Presented) The method of claim 8, wherein each of the plurality of biopolymers comprises a DNA molecule.

22. (Previously Presented) The method of claim 8, wherein each of the plurality of biopolymers comprises a protein molecule.

23. (Previously Presented) The biochip of claim 3, wherein biochip further comprises a case member and the surface and the storage medium are detachable from the case member.

24. (Previously Presented) The biochip of claim 4, wherein biochip further comprises a case member and the storage medium is formed integrally with the case member.

25. (Previously Presented) The biochip according to claim 1, having about 10,000 spots/cm^2.

26. (Currently Amended) A method of manufacturing a biochip, comprising the steps:

providing a substrate having an integrated circuit memory and a looped antenna, the integrated circuit memory being connected to the looped antenna so as to be cable of

reading/writing information in a non-contact state;

spotting a plurality of biopolymers on a surface of the biochip in a predetermined pattern thereby providing spot locations thereon; and

writing into the integrated circuit memory ~~a storage medium of the biochip~~ information of the spot locations, identity of the biopolymers, and ~~an~~ a detected amount of the biopolymers spotted on each of said spot locations in a non-contact state.

27. (Previously Presented) The method according to claim 8, wherein in the applying step, hybridization occurs between the sample and biopolymers spotted on the biochip to provide the biopolymers bound with the sample.

28. (Cancelled)

29. (Previously Presented) The method according to claim 8, further comprising a step of searching the storage medium for the amount of the biopolymers spotted on the biochip or the amount of the biopolymers bound with the sample based on the spot location.

30. (Previously Presented) The method according to claim 8, further comprising a step of displaying the amount of the biopolymers spotted on the biochip or the amount of the biopolymers bound with the sample.

31. (New) The method according to claim 8, further comprising a step of normalizing the detected amount of biopolymers bound with the sample with the detected amount of the biopolymers spotted on each of said spot locations.